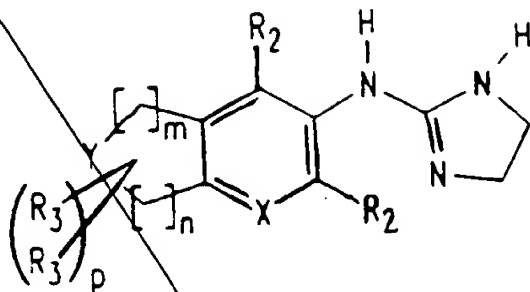


What is claimed is:

1. A compound having the structure:



wherein X is CR₇; N_y or N⁺O⁻;

wherein Y is O; CO; S; CR₃R₅; or NR₆;

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂,
-CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄
monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight
chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)₃OH; -COR₄;
CO₂R₄; CONHR₄; phenyl; or benzyl;

wherein each R₃ is independently H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -(CH₂)₄OH; -OH; =N-OR₄; COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl;

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wherein each R₅ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl, or C₁-C₄ polyfluoroalkyl;

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wherein R_6 is H; straight chained or branched C_1 - C_4 alkyl; C_1 - C_4 monofluoroalkyl or C_1 - C_4 polyfluoroalkyl; straight chained or branched C_1 - C_4 alkoxy; $-CH_2CH_2(CH_2)_qOH$; COR_4 ; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

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wherein each R₇ is independently H; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

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wherein m and n are each independently 0, 1, 2 or 3,
provided that m+n is 2 or 3;

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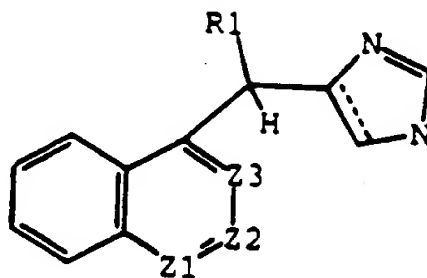
wherein each p is independently 0, 1 or 2; and

wherein each q is independently 0, 1, ~~2~~ or 3;

25

or a pharmaceutically acceptable salt thereof.

2. A compound having the structure:



wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or -(CH₂)_qOH;

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂, -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

wherein q is each independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

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3. The compound of claim 1 or 2, wherein the compound comprises the (+) enantiomer.
4. The compound of claim 1 or 2, wherein the compound comprises the (-) enantiomer.

5

5. The compound of claim 1, wherein Y is CR_3R_5 , and m+n is 3.

10

6. The compound of claim 1, wherein Y is CR_3R_5 and m+n is 2.

7. The compound of claim 1, wherein Y is NR_6 .

15

8. The compound of claim 1, wherein X is N.

9. The compound of claim 2, wherein two of Z1, Z2 and Z3 are CR_2 and the other is N.

20

10. The compound of claim 5, wherein p is at least 1 and at least one R_3 is methyl.

11. The compound of claim 5, wherein at least one R_2 is methyl.

25

12. The compound of claim 6, wherein at least one R_2 is bromo.

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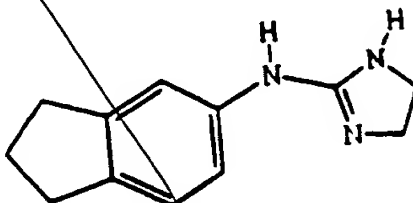
13. The compound of any one of claims 10, 11, or 12, wherein X is N.

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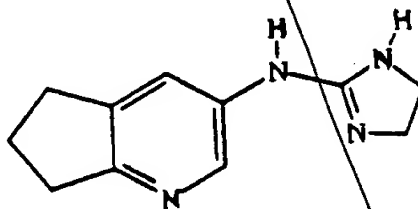
14. The compound of claim 9, wherein at least one R_2 is methyl or phenyl.

15. The compound of claim 9, wherein R_1 is C_1-C_3 alkyl, C_1-C_3 alkoxy, or -OH.

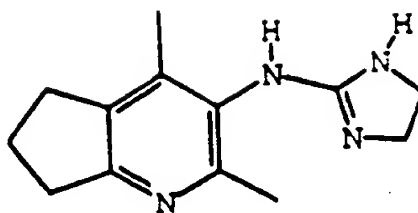
16. The compound of claim 6 having the structure:



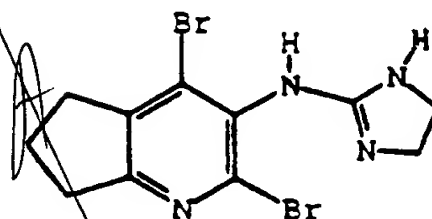
17. The compound of claim 6 having the structure:



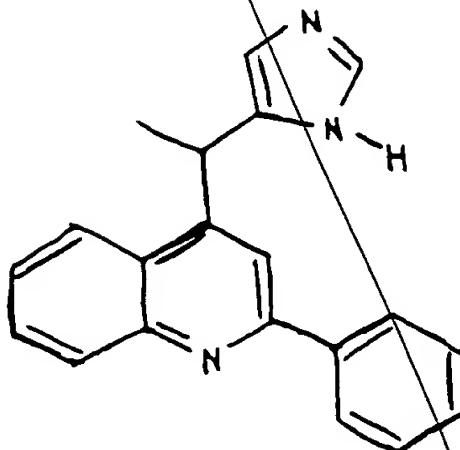
18. The compound of claim 6 having the structure:



19. The compound of claim 12 having the structure:

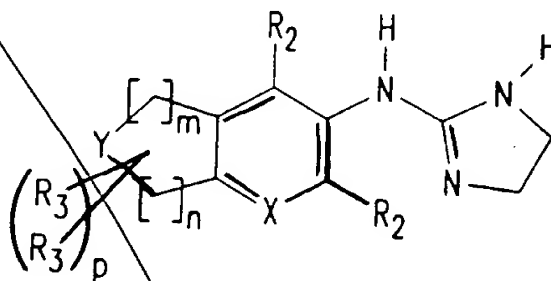


20. The compound of claim 15 having the structure:



21. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 or 2 and a pharmaceutically acceptable carrier.

5 22. A method for treating an α_2 adrenergic receptor associated disorder in a subject, which comprises administering to the subject an amount of a compound effective to treat the disorder, wherein the compound has the structure:



20 wherein X is CR₇; N; or N⁺O⁻;

wherein Y is O; CO; S; ~~CR₃R₅~~; or NR₅;

25 wherein each R_2 is independently H; F; Cl; Br; I; $-NO_2$,
-CN; straight chained or branched C_1 - C_4 alkyl; C_1 - C_4
monofluoroalkyl or C_1 - C_4 polyfluoroalkyl; straight
chained or branched C_1 - C_4 alkoxy; $-OH$; $-(CH_2)_3OH$; $-COR_4$;
 CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

30 wherein each R₃ is independently H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -(CH₂)_qOH; -OH; =N-OR₄; COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

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wherein each R_4 is independently H; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; or phenyl;

5 wherein each R_5 is independently H; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl, or C_1-C_4 polyfluoroalkyl;

Sub
c3 10 wherein R_6 is H; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight chained or branched C_1-C_4 alkoxy; -
 $CH_2CH_2(CH_2)_5OH$; COR_4 ; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

15 wherein each R_7 is independently H; -CN; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight chained or branched C_1-C_4 alkoxy; -OH; $-(CH_2)_3OH$; $-COR_4$; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

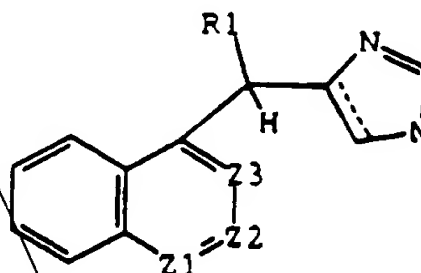
20 wherein m and n are each independently 0, 1, 2 or 3, provided that $m+n$ is 2 or 3;

wherein each p is independently 0, 1 or 2; and

25 wherein each q is independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

23. A method for treating an α_2 adrenergic receptor associated disorder in a subject, which comprises administering to the subject an amount of a compound effective to treat the disorder, wherein the compound has the structure:



wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or - (CH₂)_qOH;

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂, -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; - (CH₂)₃OH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

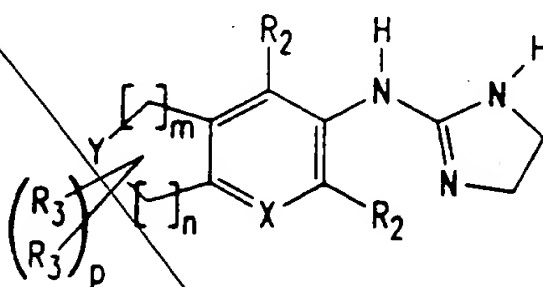
wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

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wherein each R₂ is independently H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄

alkoxy; $-(CH_2)_qOH$; $-OH$; $=N-OR_4$; COR_4 ; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

5 wherein each R_4 is independently H; straight chained or branched C_1-C_4 alkyl, C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; or phenyl;

10 wherein each R_5 is independently H; straight chained or branched C_1-C_4 alkyl, C_1-C_4 monofluoroalkyl, or C_1-C_4 polyfluoroalkyl;

15 wherein R_6 is H; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight chained or branched C_1-C_4 alkoxy; $-CH_2CH_2(CH_2)_qOH$; COR_4 ; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

20 wherein each R_7 is independently H; $-CN$; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight chained or branched C_1-C_4 alkoxy; $-OH$; $-(CH_2)_qOH$; $-COR_4$; CO_2R_4 ; $CONHR_4$; phenyl; or benzyl;

25 wherein m and n are each independently 0, 1, 2 or 3, provided that $m+n$ is 2 or 3;

wherein each p is independently 0, 1 or 2; and

wherein each q is independently 0, 1, 2 or 3;

30 or a pharmaceutically acceptable salt thereof.

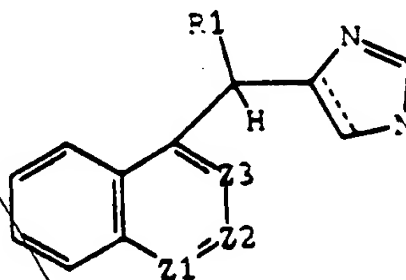
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26. A method for treating pain in a subject, which comprises administering to the subject an amount of a compound effective to treat the subject's pain, wherein the compound has the structure:

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wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

20

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or -(CH₂)_qOH;

25

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂, -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

30

wherein each R₃ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

wherein q is each independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

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